

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

**San Angelo, TX**

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:

MONTH

YEAR

**July**

**2009**

TO: Hydrologic Information Center, W/OS31  
NOAA's National Weather Service  
1325 East West Highway  
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

**August 31, 2009**

*When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).*

**X** An X inside this box indicates that no flooding occurred within this hydrologic service area.

Typical of the month of July, many areas across the HSA experience numerous days where high temperatures reached above 100 degrees. In addition to hot and dry July conditions, the month was also marked by above normal rainfall at many locations in the HSA. As the ridge of high pressure retreated westward on several occasions, northwesterly flow brought scattered showers and thunderstorms to west central Texas. At the beginning of the month (July 1-2), an upper level disturbance moved into the area bringing scattered rain showers across most of the HSA. Heavy rainfall amounts in excess of three inches occurred over Mason and Fisher Counties. During the 5<sup>th</sup> – 6<sup>th</sup>, another upper level disturbance moved across the region bringing more scattered showers. Areas across Fisher, Jones, Runnels, Coleman and Brown Counties received over two inches of rain. Later during the 17<sup>th</sup> through 23<sup>rd</sup>, northwest flow allowed several storm systems to move into the region bringing numerous showers and thunderstorms. Isolated areas across Fisher and Coke Counties received over three inches of rain, while scattered areas across the remainder of the HSA received one to two inches of rain. At the end of the month, 29<sup>th</sup>-31<sup>st</sup>, more rainfall occurred as storms moved across the region. Scattered areas across Concho, Brown McCulloch and Kimble Counties received over two inches of rain.

Even though much of the region experienced above normal rainfall during the month, areas continued to suffer from drought conditions. The U.S. Drought Monitor depicted eastern portions of the Big Country as experiencing moderate to severe drought conditions.

The average precipitation reported from coop observers in July was 4.14 inches. The highest monthly precipitation total of 11.47 inches was reported in southern Fisher County. Coop observers in Brown, Coleman, Concho, Fisher, Jones, Menard, Nolan and Throckmorton Counties received over 5.00 inches of rain in July.

The San Angelo Regional Airport received 4.64 inches of precipitation during July, which was 3.54 inches above normal for the month. This was the ninth wettest July on record at San Angelo. The monthly normal rainfall for San Angelo in July is 1.10 inches.

The Abilene Regional Airport received 2.56 inches of precipitation during July, which was 0.86 of an inch above normal for the month. The monthly normal rainfall for Abilene in July is 1.70 inches.

Junction received 3.81 inches of rain during July. The estimated average monthly rainfall in July is about 2.25 inches.

**Coop Observer Rainfall Totals for July, 2009:**

<b>Station Name</b>	<b>Amount (in)</b>		<b>Station Name</b>	<b>Amount (in)</b>
Abilene 2	3.64		Mertzon 12NNW	2.41
Acton Ranch	0.90		Ozona 22SE	1.27
Albany	3.15		Paint Rock	5.00
Anson	5.85		Putnam	3.70
Ballinger 2NW	3.45		Red Bluff Crossing	1.37
Blackwell 6NE	4.29		Robert Lee	4.34
Brady	3.73		Roscoe	5.33
Brownwood	5.50		Rotan	11.47
Burkett	3.68		San Angelo WFO	3.76
Coleman	4.85		San Saba 7NW	3.26
Concho Park	4.61		Santa Anna 12SSE	5.88
Eden	6.30		Silver Valley	3.54
Eldorado	3.37		Sonora	2.50
Eldorado 10W	4.90		Stamford	6.37
Fort Griffin	3.99		Sterling City	3.92
Fort McKavett	4.51		Taylor Ranch	1.73
Glen Cove 2NE	4.64		Telegraph	3.20
Hamlin	5.06		Throckmorton 7NE	6.93
Haskell	4.27		Water Valley	3.28
Hords Creek	2.70		Water Valley 11NE	4.25
Humble Pump	4.42		Winters	3.98
Junction 4SSW	2.77		Woodson	4.48
Lawn	2.76			
London 3N	4.81		(M) <i>Missing data</i>	
Menard	7.25		(T) <i>Trace</i>	

**Reservoir Conditions (end of July, 2009)**

<b>Reservoir</b>	<b>Conservation Capacity (Ac-Ft)</b>	<b>End of Month Capacity (Ac-Ft)</b>	<b>Percent of Capacity (%)</b>
Fort Phantom Hill	70,030	52,370	75
Lake Stamford	52,700	38,220	74
Hubbard Creek Lake	317,800	236,030	74
Hords Creek Lake	8,800	4,340	54
Lake Brownwood	131,428	94,730	72
E.V. Spence	488,760	35,990	7
O.C. Fisher	119,200	4,700	4
O.H. Ivie	554,340	263,100	47
Twin Buttes	177,800	45,900	26

**Hydro Products Issued**

FLS = 30 (Urban/Small Stream Advisory)

ESF = 1

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for July across the San Angelo HSA is depicted below.

